

- a plurality of shelf bays whereof each presents a shelf with an upper side providing for guiding means fixed to the shelf, whereof each is disposed in a shelf bay and is configured as a guiding channel extending in the longitudinal direction of the shelf,

- a plurality of product supports whereof one at a time is associated with a shelf bay, which support is provided with guiding means fixed to the product support, which means equal each other and are complementary to said guiding means fixed to the shelf, as well as a supporting surface for products to be stored, and

- a storage and retrieval device designed for being moved in front of each of said shelf bays,

wherein

- said product support is supported for displacement in the longitudinal direction relative to the guiding channel of the respective shelf,

- said product support comprises a receiving channel extending in the longitudinal direction and open in the upward direction, whose at least one face side has an open configuration, and

- said storage and retrieval device provides for an actuating finger adapted to be engaged in said product support and to be displaced in the longitudinal direction, as well as at least one retaining finger that is pivotable into the clearance of said receiving channel open in the upward direction.

2. (Amended) Shelf storage facility according to Claim 1, wherein said shelf bays are disposed in groups and that the shelves of one group are connected to each other.

3. (Amended) Shelf storage facility according to Claim 1, wherein said shelf bays are arranged in groups and that the shelves of one group are connected to each other in an integral manner.

4. (Amended) Shelf storage facility according to Claim 1, wherein said shelf bays are arranged in groups and that the shelves of one group are disposed in a horizontal plane.

5. (Amended) Shelf storage facility according to the introductory clause of Claim 1, wherein all shelf bays present the same depth, measured in a direction orthogonal on a plane in which said storage and retrieval device moves when it is positioned from one shelf bay to another shelf bay.

6. (Amended) Shelf storage facility according to Claim 1, wherein said shelf bays present different widths by groups.

7. (Amended) Shelf storage facility according to Claim 5, wherein a respective shelf bay is open to the respective laterally adjacent shelf bays.

8. (Amended) Shelf storage facility according to Claim 1, wherein said guide means fixed to the shelf are formed by the geometry of the respective shelf.

9. (Amended) Shelf storage facility according to Claim 1, wherein said shelf includes as guiding means, on its upper side, a guiding channel open to the top and extending in the longitudinal direction of the shelf.

10. (Amended) Shelf storage facility according to Claim 1, wherein said shelf presents two plane surfaces extending in a V-shaped configuration relative to each other and passing with this relative arrangement through the depth of the respective shelf bay.

11. (Amended) Shelf storage facility according to Claim 1, wherein said shelf of a respective shelf bay is merely formed by (said two surfaces) extending in a Vshaped configuration relative to each other.

12. (Amended) Shelf storage facility according to Claim 11, wherein (said surfaces) extending in a V-shaped configuration relative to each other are integral with each other.

13. (Amended) Shelf storage facility according to Claim 11, wherein ^{ate} said surfaces) extending in a V-shaped configuration relative to each other enclose an angle of 90° therebetween.

14. (Amended) Shelf storage facility according to Claim 1, wherein said shelf ^{not shown} bays are disposed in groups and that said shelves of one group are formed by a corrugated plate.

^{not shown} 15. (Amended) Shelf storage facility according to Claim 14, wherein said ^A plate is connected to a beam fastened on a shelf rack, at an edge remote from said storage and retrieval device.

^{not shown} 16. (Amended) Shelf storage facility according to Claim 15, wherein said beam is fastened in said shelf rack for vertical adjustment.

17. (Amended) Shelf storage facility according to Claim 1, wherein a plurality of shelf bays is disposed in a rack and that said rack is supported in said shelf rack in a mobile manner.

18. (Amended) Shelf storage facility according to Claim 1, wherein two shelf racks are disposed at a distance from and opposite each other and that said storage and retrieval device is provided between said shelf racks.

19. (Amended) Shelf storage facility according to Claim 1, wherein said product supports are so designed that they rest by their underside directly on the respective shelf.

20. (Amended) Shelf storage facility according to any Claim 1, wherein the underside of said product support is adapted to the upper side of the associated shelf.

21. (Amended) Shelf storage facility according to Claim 1, wherein said product support presents positioning means on its upper side in order to align and/or orient products located on said product support.

22. (Amended) Shelf storage facility according to Claim 1, wherein said product support includes, in its upper side, a receiving channel open in the upward direction and extending in the longitudinal direction of said product support.

23. (Amended) Shelf storage facility according to Claim 1, wherein (said product support two plane surfaces) which extend in a V-shaped configuration relative to

each other and pass through the length of the respective product support with this relative arrangement.

24. (Amended) Shelf storage facility according to Claim 1, wherein said product support of a respective shelf bay is merely formed by ~~(said two surfaces)~~ extending in a V-shaped configuration relative to each other.

25. (Amended) Shelf storage facility according to Claim 24, wherein ~~(said surfaces)~~ extending in a V-shaped configuration relative to each other are integral.


26. (Amended) Shelf storage facility according to Claim 24, wherein ~~(said surfaces)~~ extending in a V-shaped configuration relative to each other enclose an angle of 90° therebetween.


27. (Amended) Shelf storage facility according to Claim 1, wherein the length of said product support is longer than the depth of the associated shelf bay.

28. (Amended) Shelf storage facility according to Claim 1, wherein all product supports have the same length, independently of the width of the respective shelf bay.


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29. (Amended) Shelf storage facility according to Claim 1, wherein the length

 of a product support is greater than the total of at least two, preferably three, products of medium size, with the dimensions of said product of medium size being calculated by

 approximation from the mean value of the dimensions of all products.

30. (Amended) Shelf storage facility according to Claim 29, wherein products

 having the same dimensions are considered merely once in the calculation of the mean value.
